

XP-002195481

AN - 1984-099888 [25]

A - [001] 014 03- 231 240 252 253 359 398 481 512 52& 532 537

AP - SU19813337921 19810903

CPY - SYNT-R

DC - A11

FS - CPI

IC - C08B11/12

IN - DAVYDOVA V I; PETRENKO V A; PROKOFEVA M V

KS - 0229 1982 2002 2178 2198 2524 2559 2575 3198

MC - A03-A04 A10-E08C

PA - (SYNT-R) SYNTH RESINS RES IN

PN - SU1028676 A 19830715 DW198416 003pp

PR - SU19813337921 19810903

XA - C1984-042612

XIC - C08B-011/12

AB - SU1028676 Use of a strong (300-500g/l) soln. or suspension of NaOH in ethanol or n-propanol as the mercerising agent in the prepn. of water soluble carboxymethyl cellulose capable of forming highly viscous solns., simplifies the process. The mercerising is carried out for 40-60 min. with ethanol or propanol taken in amounts of 1-2 or 1 pt/pt. of cellulose. Subsequent alkylation with Na monochloroacetate (I) at 15-25 deg. for 30-60 min. followed by ripening for 30-60 min. at 80 deg. and purification (if reqd.) yields the product.

- A 500g portion of cotton cellulose was treated with 600ml of soln. contg. 400g/l NaOH in 750g. ethanol, for 60 min. at 15 deg., the mixt. then stirred with (I) for 60 min. at 25 deg., ripened for 60 min. at 80 deg. and washed with 80% ethanol. This gave the product with 84.5% substitution, 99.9% solubility and viscosity of 1% soln. of 1530 cp. compared with 59 cp. for the known soln. Bul.26/15.7.83.

- (Dwg.0/0)

IW - WATER SOLUBLE CARBOXYMETHYL CELLULOSE OBTAIN MERCERISING SUSPENSION
SODIUM HYDROXIDE ETHANOL PROPANOL ALKYLATED RIPENING PURIFICATION

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SODIUM HYDROXIDE ETHANOL PROPANOL ALKYLATED RIPENING PURIFICATION

INW - DAVYDOVA V I; PETRENKO V A; PROKOFEVA M V

NC - 001

OPD - 1981-09-03

ORD - 1983-07-15

PAW - (SYNT-R) SYNTH RESINS RES IN

TI - Water soluble carboxymethyl-cellulose - obtd. by mercerisation with suspension of sodium hydroxide in ethanol or propanol, alkylation, ripening and purification